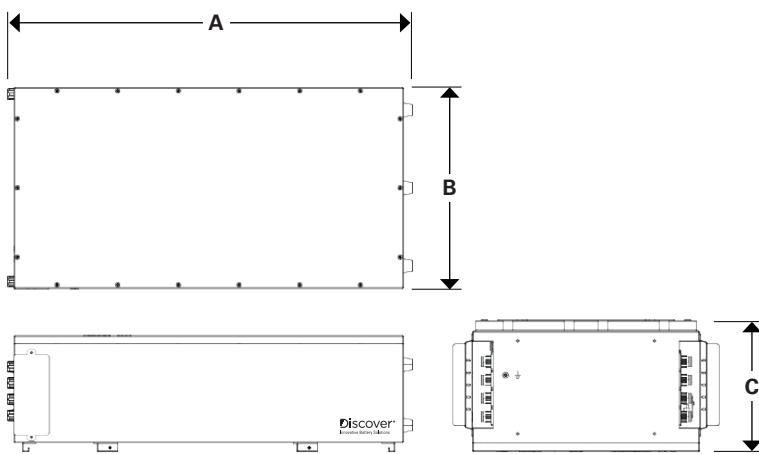


Scalable Energy Storage for RVs, Industrial & Mobile Equipment

Discover Lithium NOMAD is a durable 16 kWh LiFePO₄ battery system built for motive OEM applications. Featuring a 4th-generation BMS and backed by 75+ years of battery expertise, it delivers safe, reliable power for RVs, trailers, mobile equipment, and off-road platforms. Compact, high-performing, and easy to integrate, Nomad is the ideal solution for power on the move.

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Length (A)	900 mm (35.43 in)
Width (B)	465 mm (18.31 in)
Height (C)	247 mm (9.72 in)
Terminal	Quick Connect Plug and Pull Terminal
Weight	136 kg (299.83 lb)
IP Rating	IP65
Case Material	Galvanized Steel Sheet

REGULATORY

Certifications	UN38.3, UL 1973, UL 9540A, UL 9540 DC ESS 3rd Edition (Pending)
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OTHER

Country of Manufacture	People's Republic of China
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(1) Leaving the battery at 0% SOC will lead to irreversible damage and void the warranty. Immediately recharge the battery after discharging to 0%.

FEATURES

POWERFUL PERFORMANCE

- 10 kW continuous, up to 19 kW peak power (10 sec), with 93 MWh lifetime energy throughput.
- 4th generation BMS for enhanced reliability, efficiency, and safety.

ALL-CLIMATE DESIGN

- IP65-rated, weather-resistant enclosure for reliable outdoor performance, with an operating temperature between -25°C (-13°F) to 55°C (131°F).
- Built-in self-heating system operates automatically from -25°C (-13°F) to 8°C (46.4°F), ensuring reliable performance and faster warm-up in cold environments.

ADVANCED SAFETY

- Dual fire arrestors and emergency stop for Rapid Shutdown (RSD) integration.
- Comprehensive overvoltage, over current, and thermal protection.

SEAMLESS INTEGRATION

- Direct communication with Victron.
- Supports RVC communications and CAN with the LYNK II Gateway.

SCALABLE & FLEXIBLE

- Expandable up to 48 kWh with battery to battery parallel installations.
- Up to 36 modules (579.6kWh) in parallel with Closed-loop communication.

ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2 V
Energy	16,080 Wh
Nominal Capacity	314 Ah
Useable Capacity	16,080 Wh
Depth of Discharge	100% ⁽¹⁾
Charge Bulk Voltage - Bulk Vdc	55.2 – 56.8 V
Charge Absorption Voltage - U1 MAX	55.2 – 56.8 V
Charge Float Voltage - U2	53.6 V
Charge Termination Current	5 A
Max Voltage Disconnect Recommended	56.9 V
Max Voltage Disconnect	58.08 V
Low Voltage Disconnect Recommended	48 V
Low Voltage Disconnect	43.2 V
Max Continuous Charge Current	200 A
Max Continuous Discharge Current	200 A
Max Continuous Discharge Rate	10.24 kW
Peak Discharge Current (15 seconds)	300 A RMS
Self Discharge Current (operation)	≤ 25 mA
Self Discharge Current (battery OFF)	≤ 4 mA
Breaker	Single-Pole (positive only) 200 A breaker (CVP-RH-P2BD5-D200-LT)
Maximum short circuit fault current (IBF / ½ IBF)	7.16 kA (100 ms) / 3.58 kA (100 ms)
Arc Flash Incident Energy IEm	0.310 Cal/cm ²
Arc Flash Incident Energy AFB	239 mm (9.41 in)



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